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SIXTIETH ANNUAL MEETING

KANSAS ACADEMY OF SCIENCE

Wichita, April 13 and 14, 1928

OFFICERS FOR 1927-1928

Mary T. Harman, Manhattan ---------- President
L. D. Wooster, Hays ---------- First Vice-President
W. B. Wilson, Ottawa ---------- Second Vice-President
L. D. Havenhill, Lawrence ---------- Treasurer
E. A. White, Lawrence ---------- Secretary
H. J. Harnly, J. E. Ackert, Hazel Branch and G. H. Bretnall,
Additional Members of the Executive Council

PROGRAM

Friday, April 13, 1928

10:00 a. m. Address by H. W. Foght.
Business. Reading of Papers.
1:30 p. m. Business. Reading of Papers.
8:00 p. m. Presidential Address by Dr. Mary T. Harman. "The Physical Unit of Life."

Saturday, April 14, 1928

8:30 p. m. Business. Reading of Papers.

PAPERS SUBMITTED FOR THE SIXTIETH SESSION

1. The Heats of Absorption of Certain Organic Vapors on Charcoal at 25° Centigrade. Loyd McKinley.
2. Twisted Atoms. Loyd McKinley.
3. A Study of Seasonal Variation of Deaths from Pneumonia in Certain Cities in the United States. Margaret M. Justin.
4. A Uniform Test of General Intelligence. J. C. Peterson.
5. Botanical Notes for 1927. Frank U. G. Agrelius.
6. Further Experiments with Bad Air. G. H. Bretnall.
7. Some Notes on Kansas Geology. L. C. Wooster.
8. Bird Population. L. C. Wooster.
9. The Chromosome Method of Presenting Mendalian Inheritance. H. L. Ibsen.
10. Chinese Elms in the Prairie States. Frank C. Gates.
(Published in this volume of the Transactions)
11. Plant Migration Tendencies in Wabaunsee County, Kansas, 1898-1927. Frank C. Gates.
(Published in this volume of the Transactions)
12. Notes on the Chironomidae of Kansas. Hazel E. Branch.
(Published in this volume of the Transactions)
13. Concerning the Use of Nitro Compounds as Oxidizing Agents. W. A. Fletcher.
14. A New Method for the Preparation of $(NH_4)_2S_2NH_4SH$. W. A. Fletcher.
15. Filaria Worms and Fistulous Withers in Horses. J. E. Ackert and W. S. O'Neal.
16. Resistance to Parasitism, and Vitamin B. L. O. Nolf. (Introduced by J. E. Ackert and Naomi B. Zimmerman.)
17. Effect of Helminthiasis on Resistance to Parasitism. Roy W. Jones. (Introduced by J. E. Ackert)
18. Variations and Abnormalities in Certain Tapeworms. G. L. Graham. (Introduced by J. E. Ackert)
19. Factors Influencing the Productivity of Ponds of the State Fish Hatchery. Edw. Schneberger. (Introduced by Minna E. Jewell)

20. A Monstrosity in a Pig. W. J. Baumgartner.
(Anat. Rec., Vol. 37, No. 3, 1928)
21. The Effects of a Mixture of Pure Oxygen and Pure Argon upon the Animal Life with Various Amounts. J. W. Hershey.
(Abstract published in this volume of the Transactions)
22. The Effects of a Mixture of Pure Oxygen and Pure Nitrogen upon Animal Life with Various Amounts. J. W. Hershey.
(Abstract published in this volume of the Transactions)
23. A Review of Investigation on the Hibernation of the 13-lined Ground Squirrel. George E. Johnson.
(In Preparation for the Quarterly Review of Biology)
24. The Effect of Anterior Pituitary Extract on Growth of Rats. E. D. Sayles. (Introduced by George E. Johnson)
25. The Effects of the Alkaloids, Brucine Sulphate, Quinine Sulphate and Strychnine Sulphate, on Cell Division, Cell Activity, and Plant Growth. Clinton C. McDonald.
26. Some Interesting Facts About the Fossil Fish, Portheus molossus. Geo. F. Sternberg.
27. Rare Coleoptera from the Sandhill Region of Medora, Kansas. W. Knaus.
28. Northward Extension of Agrypnus sallei Lec. to the Medora Sandhill Region of Kansas. W. Knaus.
29. Germicidal Effect of Ultra Violet Light on Fabrics and Through Fabrics. Alpha Latzke.
30. The Early Development of a Polyclad. Florence Stebbins. (Introduced by Mary T. Harman)
(In preparation for Puget Sound Biological Station)
31. Study of Birth Weights with Relation to Age of Mother and to Season of Birth. Helen W. Ford.
(Published in this volume of the Transactions)
32. Notes on Archaeology of the Cornfields Region, Arizona. Continued from the 1927 Report. Albert B. Reagan.
(Published in this volume of the Transactions)

MINUTES OF THE SIXTIETH ANNUAL MEETING

The sixtieth annual meeting of the Kansas Academy of Science was held at Wichita, April 13 and 14, 1928. The afternoon session was held at the Central High School. All other sessions were held at the Municipal University of Wichita.

The meeting was called to order by the president, Dr. Mary T. Harman, at 10:30 a. m., April 13. Dr. H. W. Foght, president of the Municipal University of Wichita, welcomed the members of the Academy as guests of Wichita, and particularly as guests of the University. The minutes of the previous meeting were read and approved.

The following committees were appointed by the president:

Program: Agrelius, Gates, Baumgartner.

Resolutions: Ackert, Lawson, Goldsmith.

Auditing: Hershey, Justin.

Membership: Johnson, G. E., Larson, Agrelius, Rankin, Hershey, McDonald, Bretnall, Wilson, Moore, Goldsmith, Yates, Crow.

Press: Knaus.

Parks: McColloch.

Nominating: Rankin, Havenhill, Branch, Smith, R. C.

Necrology: Harnly, Willard.

The afternoon session was called to order by the president at 1:30. A half hour was devoted to seeing the science department of the high school. The reading of papers was resumed at two o'clock. The meeting adjourned at four-thirty to be guests of the Wichita Chamber of Commerce on a tour of the city.

A delightful banquet was served at 6:15 in the cafeteria of the University. Professor Crow of Friends University was toastmaster. Professor Emeritus Schwartz of Wichita University responded to a toast on "Reminiscences" and Dr. Goldsmith to one on "Eugenic Laws".

Dr. Mary T. Harman delivered the presidential address at 8:30 p. m., on the subject, "The Physical Unit of Life".

The Saturday meeting convened at 8:30 a. m. The report of the treasurer was made and accepted. E. A. White and Mary T. Harman were made life members.

The nominating committee submitted the following names as candidates: President, L. D. Wooster; first fice-president, W. B. Wilson; second vice-president, Hazel E. Branch; treasurer, L. D. Havenhill; secretary, Geo. E. Johnson; additional members of the executive council, Mary T. Harman, E. O. Deere, E. A. White, and F. C. Gates. The nominees were elected by unanimous vote.

The nominating committee extended thanks to the Wichita Chamber of Commerce for the sight-seeing tour, to the Travel Air Company for the privilege of visiting its factory, to Dr. Hazel E. Branch and other faculty members of the university of Wichita for arrangements for the meeting and for the banquet, and to Prof. E. A. White for his long service as secretary.

The auditing committee reported that the accounts of the treasurer were correct.

The committee on library and publications made the following report:

1. That Kansas University is making an effort to properly catalog and house the library of the Academy. The library is now partly available for use by the faculty and students of the University and members of the Academy. Your chairman found that the University is desirous of retaining the library, and although they are without sufficient room and facilities will do everything possible to make the books of the library available.

2. That the continuation of the publication of the Transactions of the Academy is highly desirable and in fact necessary to the life of the Academy. The committee, therefore, recommends that the Transacions of the Academy since the last report (Fifty-third meeting, Vol. 30, 1921) and including the Wichita meeting in 1928, be published as soon as possible out of the available funds of the society; that any and all papers presented at these meetings be published at the request and the expense of the author. This expense may be conveniently apportioned to a certain number of reprints issued to each author.

It is recommended that a committee of five be appointed by the president to constitute a publication committee and that one of their number designated as editor; that this committee bring together the minutes of the meetings and those papers from authors who desire them included in the next issue; that, after the material is properly edited and considered, bids for publication be obtained and the committee be empowered to publish this material as soon as possible.

3. That the policy of publishing only enough copies for members, abstracting agencies and for sale be established. This will eliminate practically all free exchanges. The committee recommends the elimination of exchange publications unless such exchanges can be made to work to the immediate financial advantage of the Academy.

4. That all funds of the Academy be spent for the Transactions, after deducting such necessary expenses as postage, stenographic work, and travel allowance, or other expense ordered by the Academy.

5. That plans be made by the publication committee as soon as possible for financing the future publications of the Academy and placing the Transactions on a permanent basis. This committee recommends the following possible sources of revenue for study and investigation:

(a) Increase of dues to $1.50 a year. This is undesirable until the available membership at the present dues is proved to be inadequate.

(b) Securing a permanent endowment by solicitation of funds from interested residents of the state.

(c) By grants from existing state organizations, such as the various educationnal institutions, State Board of Agriculture, State Horticultural Society, etc.

(d) By securing an annual rental for the use of the Academy's library. The Academy must, however, remember that it has in existence an agreement with Kansas University concerning the library.

(e) Sale of the library as a whole or in parts as a source of endowment or of meeting publication.

It would appear from information on hand that a creditable publication can be maintained for sums from $100 up, depending on the size of the annual volume, quality of paper and illustrations.

It was moved and passed that this report be accepted section by section. After discussion and adoption of the several sections, the entire report was accepted.

A motion was carried to instruct someone to report this meeting to "Science". The president requested the incoming secretary to make this report.

The reading of papers followed. Later in the forenoon a few minutes were devoted to business.

The Kansas Entomological Society through R. L. Parker, its secretary, presented Article I of its constitution for the consideration of the Academy. This article reads:

"The name of this society shall be the Kansas Entomological Society. This society will be affiliated with the Kansas Academy of Science without dues of the society to that society."

The article was approved by the Academy.

Dean Willard of the Kansas State Agricultural College invited the Academy to hold its 1928 meeting at Manhattan and the invitation was accepted.

By motion it was voted to shorten the papers to enable the Academy to adjourn by 12:30. The reading of papers was resumed. The Academy adjourned at 12:25.

President-elect Wooster called a meeting of the new executive council immediately after adjournment. In consultation with the retiring president he appointed the following publication committee: G. E. Johnson, Roy Rankin, M. T. Harmon, W. J. Baumgartner and F. C. Gates.

E. A. WHITE, Secretary

Report of the Treasurer
April 14, 1927, to April 13, 1928

Receipts:	
Balance brought forward	$153.22
Collected from A. A. A. S. members	66.00
Dues from members	28.50
Interest on deposits	4.00
Total receipts	$251.72
Expenses:	
Deposit with cashier K. U.	$ .89
Stamps and post cards	23.75
Traveling expenses, President Harman	5.62
Programs (500)	8.00
Stenographic work	30.00
Total expenses	$62.26
Cash on hand April 13, 1928	$183.46

L. D. HAVENHILL, Treasurer